ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	SYSTEM AND METHOD FOR REDUCING THE SIZE OF DATA DIFFERENCE REPRESENTATIONS

Application Number: 09/785080

Confirmation Number: 3076

First Named Applicant: Stephen Draper

Attorney Docket Number: 5543-00301

Search string: (5001628 or 5008814 or 5113519 or 5151989 or 5155847 or 5212789 or 5276871 or 5278979 or 5317728 or 5325524 or 5347653 or 5355476 or 5377326 or 5390335 or 5403639 or 5418957 or 5434994 or 5546539 or 5581740 or 5644782 or 5721907 or 5729743 or 5745906 or 5752005 or 5757669 or 5778395 or 5781912 or 5799187 or 5806075 or 5813017 or 5832263 or 5850565 or 5878434 or 5991771 or 5978805 or 5999740 or 6038612 or 6018747 or 6101507 or 6128652 or 6243328 or 5313646).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
ay	1	5001628	1991-03-19	Johnson et al.			
ay	2	5008814	1991-04-16	Mathur			
ay	3	5113519	1992-05-12	Johnson et al.			
ay	4	5151989	1992-09-29	Johnson et al.			
ay	5	5155847	1992-10-13	Kirouac et al.			
ay	6	5212789	1993-05-18	Rago			
ay	7	5276871	1994-01-04	Howarth			
ay	8	5278979	1994-01-11	Daniels et al.			
ay	9	5317728	1994-05-31	Tevis et al.			
ay	10	5325524	1994-06-28	Black et al.			
ay	11	5347653	1994-09-13	Flynn et al.			
ay	12	5355476	1994-10-11	Fukumura			

APP_ID=09785080

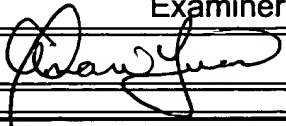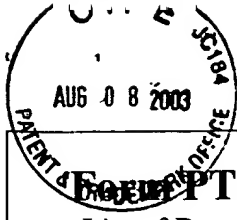|				
ay	13	5377326	1994-12-27	Murata et al.
ay	14	5390335	1995-02-14	Stephan et al.
ay	15	5403639	1995-04-04	Belsan et al.
ay	16	5418957	1995-05-23	Narayan
ay	17	5434994	1995-07-18	Shaheen et al.
ay	18	5546539	1995-08-13	Poling
ay	19	5581740	1995-12-03	Jones
ay	20	5644782	1997-07-01	Yeates et al.
ay	21	5721907	1998-02-24	Pyne
ay	22	5729743	1998-03-17	Squibb
ay	23	5745906	1998-04-28	Squibb
ay	24	5752005	1998-05-12	Jones
ay	25	5757669	1998-05-26	Christie et al.
ay	26	5778395	1998-07-07	Whiting et al.
ay	27	5781912	1998-07-14	Demers et al.
ay	28	5799187	1998-08-25	McBrearty
ay	29	5806075	1998-09-08	Jain et al.
ay	30	5813017	1998-09-22	Morris
ay	31	5832263	1998-11-03	Hansen et al.
ay	32	5850565	1998-12-15	Wightman
ay	33	5878434	1999-03-02	Draper et al.
ay	34	5991771	1999-11-23	Falls et al.
ay	35	5978805	1999-11-02	Carson
ay	36	5999740	1999-12-07	Rowley
ay	37	6038612	2000-03-14	Liow
ay	38	6018747	2000-01-25	Burns et al.
ay	39	6101507	2000-08-08	Cane et al.
ay	40	6128652	2000-10-03	Toh et al.
ay	41	6243328	2001-06-05	Fenner et al.
ay	42	5313646	1994-05-17	Hendricks et al.

Remarks *Omar Yu* 6/8/04

Note: Remarks are not for responding to an office action.

Should any fees be required, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert and Goetzel, P.C. Deposit Account No. 50-1505/5543-

00301/EBM.

Signature

Examiner Name	Date
	ɑ/ 8/04

Form PTO-1449 (modified)	ATTY. DOCKET NO: 5543-00301	SERIAL NO: 09/785,080
List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	APPLICANT: Stephen P.W. Draper FILING DATE: February 15, 2001	GROUP: 2176

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
							RECEIVED
							AUG 1 1 2003
							Technology Center 2100

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION. YES/NO
Ay	A43	04-0242829	8/31/1992	JP			Yes
Ay	A44	05-091550	9/1993	JP			Yes
Ay	A45	0 994 425	4/19/2000	EP			Yes

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Ay	B1	Birrell, A., et al., "Grapevine: An Exercise in Distributed Computing," Apr. 1982, Communications of the ACM, vol. 25, No. 4, pp. 260-261.
Ay	B2	Stonebraker, M., "Concurrency Control and Consistency of Multiple Copies of Data in Distributed INGRES," May 1979, IEEE Transactions on Software Engineering, Vol. SE-5, No. 3, pp. 188-194.
Ay	B3	Hazboun, K.A., et al., "A Multi-Group Technique for Data Compression," June, 1982, ACM SIGMOD Conference, pp. 284-292.
Ay	B4	Spector, A. Z., "Performing Remote Operations Efficiently on a Local Computer Network," Apr. 1982, Communications of the ACM, Vol. 25, No. 4, pp. 246-259.
Ay	B5	Joseph, T. A., "Low Cost Management of Replicated Data in Fault-Tolerant Distributed Systems," Feb. 1986, ACM Transactions on Computer Systems, Vol. 4, No. 1, pp. 54-70.
Ay	B6	Lindsay, B., et al., "A Snapshot Differential refresh Algorithm," May 1986, ACM SIGMOD International Conference on Management of Data, pp. 53-60.
Ay	B7	Black, A.P., Burris, C.H., Jr., "A Compact Representation for File Versions: A Preliminary Report," Feb. 1989, IEEE Conference on Data Engineering, pp. 321-329.
Ay	B8	Gladney, H.M., "Data Replicas in Distributed Information Services," Mar. 1989, ACM Transactions on Database Systems, Vol. 14, No. 1, pp. 75-97.
Ay	B9	El Abbadi, A., Toueg, S., "Maintaining Availability in Partitioned Replicated Databases," June 1989, ACM Transactions on Database Systems, Vol. 14, No. 2, pp. 264-290.

EXAMINER: _____ DATE CONSIDERED: 6/8/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

Form PTO-1449 (modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement
(Use several sheets if necessary)

ATTY. DOCKET NO: 5543-00301

APPLICANT: Stephen P.W. Draper

FILING DATE: February 15, 2001

SERIAL NO: 09/785,080

GROUP: 2176

RECEIVED

AUG 1 1 2003

U.S. PATENT DOCUMENTS

Technology Center 2100

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ay	B10	Satyanarayanan, M., et al., "Coda: A Highly Available File System for a Distributed Workstation Environment," Apr. 1990, IEEE Transactions on Computers, Vol. 39, No. 4, pp. 447-459.					
ay	B11	Satyanarayanan, M., "Scalable, Secure, and Highly Available Distributed File Access," May 1990, IEEE Computer, Vol. 23, No. 5, pp. 9-20.					
ay	B12	Kistler, J., Satyanarayanan, M, "Disconnected Operation in the Coda File System," Oct. 1991, ACM Operating Systems Review, Vol. 25, No. 5, pp. 213-225.					
ay	B13	Liskov, B., et al., "A Replicated Unix File System (Extended Abstract)," Jan. 1991, ACM Operating Systems Review, Vol. 25, No. 1, pp. 60-64.					
ay	B14	Liskov, B., et al., "Replication in the Harp File System," Oct. 1991, ACM Operating Systems Review, Vol. 25, No. 5, pp. 226-238.					
ay	B15	Agrawal, D.,El Abbadi, A., "The Generalized Tree Quorum Protocol: An Efficient Approach for Managing Replicated Data," Dec. 1992, ACM Transactions on Database Systems, Vol. 17, No. 4, pp. 689-717.					
ay	B16	Alonso, R., Korth, H., "Database System Issues in Nomadic Computing," May 1993, Proc. Of the 1993 ACM SIGMOD International Conference on Management of Data," Vol. 22, Issue 2, pp. 388-392.					
ay	B17	Badrinath, B., "Impact of Mobility on Distributed Computations," Apr. 1993, ACM Operating Systems Review, Vol. 27, No. 2, pp.15-20.					
ay	B18	Reddy, P., Bhalla, S., "A Non-blocking Transaction Data Flow Graph Based Approach For Replicated Data," Jul. 1993, ACM Operating Systems Review, Vol. 27, No. 3, pp. 46-54.					
ay	B19	Colton, M., "Replicated Data in a Distributed Environment," May 1993, Proc. Of the 1993 ACM SIGMOD International Conference on Management of Data," Vol. 22, Issue 2, pp. 464-466.					
ay	B20	Imielinski, T., Badrinath, B., "Data Management for Mobile Computing," March 1993, SIGMOD Record, Vol. 22, No. 1, pp. 34-39.					
ay	B21	Satyanarayanan, M., et al., "Applications-Aware Adaptation for Mobile Computing," Jan. 95, ACM Operating Systems Review, Vol. 29, No. 1, pp. 52-55.					
ay	B22	Franky, M., "DGDBM: Programming Support for Distributed Transactions Over Replicated Files," Jul. 1995, ACM Operating Systems Review, Vol. 29, No. 3, pp. 64-74.					
ay	B23	Maffeis, S., et al., "A Generic Multicast Transport Service to Support Disconnected Operation," Apr. 1995, Proc. of the Second USENIX Symposium on Mobile and Location-Independent Computing, pp. 79-89.					
ay	B24	Moore, K., "The Lotus Notes Storage System," May 1995, ACM SIGMOD Record, Vol. 24, No. 2, pp. 427-428.					

EXAMINER: _[signature]_   DATE CONSIDERED: 6/8/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

Form PTO-1449 (modified)		ATTY. DOCKET NO: 5543-00301			SERIAL NO: 09/785,080		
List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		APPLICANT: Stephen P.W. Draper FILING DATE: February 15, 2001			GROUP: 2176 RECEIVED AUG 1 1 2003		

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ay	B25	Huston, L., Honeyman, P., "Partially Connected Operation," Apr. 1995, Proc. of the Second USENIX Symposium on Mobile and Location-Independent Computing, pp. 91-97.					
ay	B26	Montenegro, G., Drach, S., "System Isolation and Network Fast-Fail Capability in Solaris," Apr. 1995, Proc. of the Second USENIX Symposium on Mobile and Location-Independent Computing, pp. 67-78.					
ay	B27	Allard, H., "Remote Access Can't Slow Down," Feb. 1996, Network World, Vol. 13, No. 8, p. 53.					

EXAMINER: _____   DATE CONSIDERED: 6/8/0L/

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.